

**SECRET**

14 April 1965

**MEMORANDUM FOR :** Deputy for Technology/OSA

**SUBJECT :** Breathing LOX [redacted]

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1. Reference message from [redacted] expressing appreciation for support in solving LOX problem.

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2. Until recently [redacted] had been receiving, per mil. spec., propellant LOX which they have been using for breathing. Follow-up through Firewel Co. and [redacted] revealed the following:

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a. LOX comes in one grade which is 99.7% pure and falls within mil. spec. for breathing oxygen. The remaining .3% is made up of inert argon and nitrogen.

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b. Necessity for different specs. is created by handling procedures, i.e., sampling and frequency and method of purging.

c. We are now receiving LOX for breathing per spec.

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[redacted]

ASD/OSA

cc: D/TECH/OSA  
ASD/OSA  
chrono

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